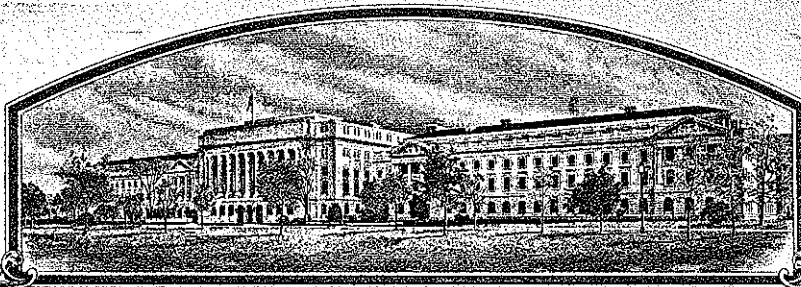


No.

7900120



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

## Wilbur-Ellis Company Seed Division

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA

'Alpha 1'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 26th day of February in the year of our Lord one thousand nine hundred and eighty.

Attest:

*Edward L. Lane*

Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*D. B. Bery*  
Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

FORM APPROVED  
OMB NO. 40-R3822

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

FOR OFFICIAL USE ONLY

1a. TEMPORARY DESIGNATION OF VARIETY

WE 308

1b. VARIETY NAME

Alpha I

2. KIND NAME

Pea

3. GENUS AND SPECIES NAME

Pisum sativum

4. FAMILY NAME (BOTANICAL)

Leguminosae

5. DATE OF DETERMINATION

July 1, 1979

6. NAME OF APPLICANT(S)

Wilbur-Ellis Company  
Seed Division

7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

E. 12001 Empire Way  
Spokane, Washington 99206

FILING DATE

9-25-79

TIME

3:00

A.M.

P.M.

FEE RECEIVED

\$ 250.00

\$ 250.00

\$ 250.00

DATE

9-24-79

9-24-79

11-13-79

8. TELEPHONE AREA CODE AND NUMBER

(509) 922-1774

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)

Corporation

10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION

California

11. DATE OF INCORPORATION

1924

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:

Wilbur-Ellis Company- Seed Division  
E. 12001 Empire Way  
Spokane, Washington 99206 Attn: Bruce Tainio

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☒ 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☒ NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☒ NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

9/10/79

(DATE)

(SIGNATURE OF APPLICANT)  
Wilbur-Ellis Co.-Seed Division  
Bruce Tainio, Manager

1

(SIGNATURE OF APPLICANT)

(DATE)

## INSTRUCTIONS

**GENERAL:** Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

### ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



7900120

**WILBUR-ELLIS COMPANY**  
SEED DIVISION

13 A EXHIBIT A

Alpha I was derived from the following crosses: [(Recette X PI 236493) X PI 236493] x<sup>3</sup> B572-543.

Recette- is a Dutch variety developed by Sluis & Groot of Holland.

PI 236493- is a high ovule count line from the Lamprecht collection, number 325.

B 572-543- is a multi podded, multi resistant line from Marx at Cornell University.

Recette was crossed with PI 236493. The Progency was then backcrossed one time to intensify the genes for high ovule character to PI 236493. The Progency from this backcross were advanced to the F<sub>3</sub> generation and crossed with B572-543. This material was then advanced to the F<sub>5</sub> generation where it was single plant selected for ovule number and multipule podding characters. Transgressive segregates for earliness and lateness were observed at this point also. The later maturity plant types appeared to be segregating as to numbers of pods per peduncle, some plants having 2 pods and others having three pods.

The three podded types were advanced to the F<sub>6</sub> generation where we found them to be genetically stable and at that point we began an increase program to our present quantities. We have observed no variants during our past three multiplications which we feel is evidence of uniformity and stability.



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**WILBUR-ELLIS COMPANY**  
S E E D   D I V I S I O N

ALPHA I

13 B EXHIBIT B

Wilbur-Ellis Company believes that we are the original and only breeder of the variety Alpha I and base novelty on the following:

Alpha I most closely resembles the Dutch variety Recette.

Novelty is based on the following differences:

Alpha I averages 9 peas per pod  
Recette averages 7.4 peas per pod

Alpha I averages 20% more 4 sieve peas than Recette  
Alpha I averages .5 average sieve size larger than Recette  
Alpha I average dry seed weight per 1000 seeds is 10 grams greater than Recette

Alpha I first blooms on the 15th and 16th node, where as Recette first bloom node is 14th- making Alpha I 3 to 5 days later maturing than Recette.

Alpha I bears its pods in a more concentrated set toward the top of the plant than does Recette-making Alpha I more uniform in maturity.

Alpha I averages 10cm taller plant height than Recette

Alpha I pod characters resemble Resette most closely, however the length of Alpha I pods are 8cm and Recette are 7.5cm.

							A	L	P	H	A	-	I	VARIETY NAME DESIGNATION	O	W	E	3	0	8	7	9	VARIETY NUMBER
--	--	--	--	--	--	--	---	---	---	---	---	---	---	--------------------------	---	---	---	---	---	---	---	---	----------------

ORIGIN [(Recette x PI 236493) x PI 236493] x 3 B572-543

 **GENERATION**

									VARIETY NAME DESIGNATION	WE 30879-2	VARIETY NUMBER
--	--	--	--	--	--	--	--	--	--------------------------	------------	----------------

MATURITY 04 number of days earlier than 5 13 number of days later than 1

COMPARATIVE PLANT HEIGHT				ABSOLUTE PLANT HEIGHT			
22	cm. shorter than	2	14	cm. taller than	1	33	cm. high

 Color (Royal Society Color Chart)

YIELD AND EFFICIENCY																
				4	4	7	Eco. Yield gms.	2	0	Harvest index (%)	2	1	7	1	7	Biological Yield in grams

Primary Roots: 

0	0
---	---

 # of nodules at a depth less than 15 cm. 

0	0
---	---

 # of nodules at a depth greater than 15 cm.

## 5-100 TENDEROMETER SEEDS

1 Shape 0 = na; 1 = flattened; 2 = angular; 3 = oval; 4 = rounded ☐ ☐ ☐ Surface Color ☐ ☐ ☐ Coty Color ☐ ☐ ☐

2 Surface 0 = na; 1 = shiny; 2 = dull. English-Sieve Seed Distribution (%): ☐ ☐ waste smaller than sieve #1; ☐ ☐ useable larger than sieve #2; ☐ ☐ ditto than sieve #3; ☐ ☐ than #4; ☐ ☐ than #5; ☐ ☐ than #6; ☐ ☐ #7; ☐ ☐ than #8; ☐ ☐ than #9. Metric-Sieve Seed Distrib. (%): ☐ ☐ waste smaller than 7.10 mm; ☐ ☐ useable larger than 7.90; ☐ ☐ ditto than 8.71; ☐ ☐ than 9.51; ☐ ☐ than 10.30; ☐ ☐ than 11.10

## ATURE, DRY SEEDS

2 Mono or Bicolor 0 = na; 1 = monocolored; 2 = bicolor. ☐ ☐ ☐ Primary Color ☐ ☐ ☐ Secondary Color ☐ ☐ ☐

2 Color Pattern 0 = na; 1 = splashed; 2 = mottled; 3 = striped; 4 = flecked; 5 = dotted; 6 = uniform color

1 Hilum Floor Color 0 = na; 1 = white; 2 = tan; 3 = black ☐ ☐ ☐ Coty col. ☐ ☐ ☐ gm/100 seeds ☐ ☐ ☐ size in 64ths"

1 Shape 0 = na; 1 = flattened; 2 = angular; 3 = oval; 4 = rounded ☐ ☐ ☐ Surface 1 = wrinkled; 10 = smooth

## LANT REACTION TO ELEMENTS

07 Drought ☐ ☐ Cold ☐ ☐ heat 0 = not tested; 1 = most susceptible; 10 = most resistant

☐ ☐ Quantity of Seeds Planted ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Weight of Seeds Planted in grams

## LOCATION

BT Range # (1-50) ☐ ☐ ☐ Row # (1-200) ☐ ☐ ☐ Wire # (1-500) ☐ ☐ ☐ Field # (1-50) ☐ ☐ ☐

2 Range Axis ☐ Wire Axis ☐ 0 = na; 1 = E to W; 2 = W to E; 3 = N to S; 4 = S to N

## DATES

052279 Planting Date (month, day, year) 0063 Up (month, day) 0077 Bloom

0727 Canning 0084 Cut 0087 harvest

## STAND

987 Emergence (up to 400) ☐ ☐ ☐ Plants per square yard (up to 500)

## WEIGHT

☐ ☐ ☐ ☐ Field Run (up to 40,000 lb) ☐ ☐ ☐ ☐ ☐ (up to 1,000,000 gm)

☐ ☐ ☐ ☐ Mill Run ( ditto ) ☐ ☐ ☐ ☐ ☐ ( ditto )

0014.5 Hand Picked ( ditto ) ☐ ☐ ☐ ☐ ☐ ( ditto )

## INVENTORY

☐ ☐ ☐ ☐ up to 40,000 lb ☐ ☐ ☐ ☐ ☐ ☐ up to 1,000,000 gm

7-9-10 7-13-224 7-13-773  
7-10-100 7-14-351 7-19-03  
7-11-294 7-16-642  
7-12-279 7-17-452

DISEASE: 0 = not tested; 1 = most susceptible; 10 = most resistant

Root Rot Complex: ☐ ☐ ascochyta ☐ ☐ aphanomyces ☐ ☐ rhizotonia ☐ ☐ pythium ☐ ☐ fusarium solani

☐ ☐ sclerotinia. Fus.Wilt: ☐ ☐ race ☐ ☐ 2 ☐ ☐ 3 ☐ ☐ 4 ☐ ☐ 5 ☐ ☐ 6 ☐ ☐ 1 P.S.B.M. virus

DISEASE: 0 = not tested; 1 = absolutely susceptible; 2 = segregating for resistance; 3 = absolutely resistant.

☐ pea enation mosaic ☐ yellow bean mosaic ☐ pea-seed borne mosaic ☐ bacterial blight. Insects: ☐ aphid

☐ citona or leaf weevil ☐ common pea weevil ☐ nemotods ☐ wire worms

MILDEW: 0 = not tested; 1 = susceptible; 2 = segregating for resistance; 3 = absolutely resistant

1 powdery mildew 1 downy mildew

## ROOT STRUCTURE TYPE

CA

## QUALITY OF PEAS

01 % of defective peas ☐ ☐ ☐ color of processed peas

Bitterness: 0 = no test; 1 = most bitter; 10 = least bitter ☐ ☐ Unprocessed ☐ ☐ Processed

Starchiness: 0 = no test; 1 = most starchy; 10 = most sweet ☐ ☐ Unprocessed ☐ ☐ Processed

## ADDITIONAL NOTES

ROOT STUDY

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Plant: WE 308-79-5

Length of Tap Root 109 cm.

1. Less than 15.3 cm depth

A. Length of lateral roots (cm)

1. 7
2. 9
3. 13      13.6 average
4. 17
5. 22

B. Density of Lateral root fibers 5 fibers/cm<sup>2</sup>

C. Length of hair roots

1. 5 (cm)
2. 5
3. 2      3.2 average
4. 3
5. 3

D. Density of hair roots 9 fibers/cm<sup>2</sup>

2. Greater than 15.3 cm depth

A. Length of lateral or hair roots off tap root (every 3 cm down tap root.) (cm)

- |              |              |
|--------------|--------------|
| 1. <u>49</u> | 5. <u>5</u>  |
| 2. <u>12</u> | 6. <u>5</u>  |
| 3. <u>3</u>  | 7. <u>3</u>  |
| 4. <u>8</u>  | 8. <u>5½</u> |

3. Number of nodules/root fibers

A. Lateral root: .38

B. Tap Root

1. Less than 15.3 cm depth 23
2. Greater than 15.3 cm depth 10

4. Diameter of Primary Root

- A. 2cm 2mm
- B. 6cm 13mm
- C. 12cm 1.1mm
- D. 24cm 1mm



PLOT NO: YDE 308-79-5

7900120

<u>Total Wt</u>	<u>Pod Wt with peas</u>	<u>Vine Wt</u>	<u>Pod Wt without</u>	<u>Peas per Pod</u>	<u>Pods per Plant</u>
2171.7 gm.	949.0 gm.	1222.7 gm.	455.6 gm.	8.5	10.3
<u>Color Score</u>	(1-10)			<u>Vine Ht</u>	<u>Total Pea Wt</u>
- 8 -				75 Cm.	447.8 gm.

WASTE	1	2	3	4	5	6 & over
447.8	1.6 gm.	79.2 gm.	74.6gm.	115.9gm.	154.8 gm.	16.2 gm.
	17.7	16.7	25.9	34.6	.04	
	18	17	26	35	.04	96%
<u>METRIC WASTE</u>	7.5	6.2		8.75		9.73
10/64						

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION  
NATIONAL AGRICULTURAL LIBRARY  
BELTSVILLE, MARYLAND 20705  
OBJECTIVE DESCRIPTION OF VARIETY  
PEA (*PISUM SATIVUM*)

NAME OF APPLICANT(S)

WILBUR - ELLIS CO. SEED DIVISION

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

12001 E. Empire Way  
Spokane, Washington 99206VARIETY NAME OR TEMPORARY  
DESIGNATION

Alpha I

FOR OFFICIAL USE ONLY

PVPO NUMBER 7900120

Place the appropriate number that describes the varietal character in the boxes below.

Place a zero in first box (e.g.,  or ) when number is either 99 or less or 9 or less.

## 1. TYPE:

 1 = GARDEN    2 = FIELD    3 = EDIBLE-PODDED

## 2. MATURITY:

 Node number of first bloom:  No. of days to processing  Heat Units No. of days Earlier than  1 = ALASKA WR    2 = THOMAS LAXTON WR    3 = LITTLE MARVEL No. of days Later than  4 = WANDO    5 = ALDERMAN WR    6 = AUSTRIAN WINTER

## 3. PLANT HEIGHT:

 CM. HIGH Cm. Shorter than  1 = ALASKA WR    2 = THOMAS LAXTON WR    3 = LITTLE MARVEL Cm. Taller than  4 = WANDO    5 = ALDERMAN WR    6 = AUSTRIAN WINTER

## 4. VINE:

 Habit: 1 = DETERMINATE    2 = INDETERMINATE  Stockiness: 1 = SLIM (Alaska)    3 = HEAVY (Alderman)  
2 = MEDIUM (Thomas Laxton WR) Branching: 1 = NONE (Alaska)    2 - 1-2 BRANCHES (Little Marvel)    3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar) Internodes: 1 = STRAIGHT    2 = ZIG ZAG  NUMBER OF NODES

## 5. LEAFLETS:

 Color: 1 = LIGHT GREEN (Alaska WR)    2 = MED. GREEN (Thomas Laxton WR)    3 = DARK GREEN (Alderman)  
4 = OTHER (Specify) Wax: 1 = NONE    2 = LIGHT    3 = MEDIUM    4 = HEAVY  1 = NOT MARBLED    2 = MARBLED (Alaska) Number of leaflet pairs: 1 = NOT PAIRED    2 = ONE    3 = TWO    4 = THREE OR MORE

## 6. STIPULES:

 1 = LACKING    2 = PRESENT  1 = NOT CLASPING    2 = CLASPING 1 = NOT MARBLED    2 = MARBLED  Size (Compared with leaflets): 1 = SMALLER    2 = SAME  
3 = LARGER Color (Compared with leaflets): 1 = LIGHTER    2 = SAME    3 = DARKER

## 7. FLOWER COLOR:

 VENATION  STANDARD  WING  KEEL 1 = WHITE    2 = GREENISH    3 = LAVENDER  
4 = PURPLE    5 = RED  
6 = OTHER (Specify)

## 8. PODS:

7900120

Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED  End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)  
 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman)  
4 = OTHER (Specify) \_\_\_\_\_  
 Surface: 1 = SMOOTH 2 = ROUGH  Surface: 1 = SHINY 2 = DULL  
 Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE  
5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) \_\_\_\_\_  
  CM. LENGTH   MM. WIDTH (Between sutures)   NO. SEEDS PER POD

## 9. SEEDS (95-100 Tenderometer):

Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) \_\_\_\_\_  
Seive: %                   AVERAGE

## SEEDS (Dry, Mature):

Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED  
 Surface: 1 = SMOOTH 2 = DIMPLED  Surface: 1 = SHINY 2 = DULL  
3 = WRINKLED  
 Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED  
 Primary Color: 1 = CREAMY-WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN  
5 = DARK GREEN 6 = BLUE-GREEN 7 = YELLOW 8 = BROWN 9 = RED  
 Secondary Color: 10 = GRAY 11 = BLACK  
 Hilum Floor Color: 1 = WHITE 2 = TAN  Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE  
3 = BLACK  
  GRAMS PER 100 SEEDS

## 10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

FUSARIUM WILT  NEAR-WILT  DOWNY MILDEW  
 ASCOCHYTA BLIGHT  POWDERY MILDEW  BACTERIAL BLIGHT  
 MOSAIC  PEA ENATION MOSAIC  YELLOW BEAN MOSAIC  
 OTHER (Specify) \_\_\_\_\_

## 11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

APHIDS  OTHER (Specify) \_\_\_\_\_

## 12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	326 Perfection	Fresh Seed Color	Taurus
Leaf Color	326 Perfection	Mature Seed Color	Taurus
Pod Color	Recette	Seed Shape	?
Pod Shape	Recette	Plant Habit	326 Perfection

COMMENTS:

5



**WILBUR-ELLIS COMPANY**  
S E E D   D I V I S I O N

13 D EXHIBIT D

Additional Description of the Variety Alpha I

- See attached data sheets -